

I. MATERIALS

- A. THE SINGLE CONDUCTOR ALUMINUM WIRE SHALL CONSIST OF ONE ACSR #2, 7 STRAND 6/1, CONDUCTOR. THE WIRE SHALL HAVE 0.047 INCHES OF CROSS LINKED POLYETHYLENE INSULATION RATED AT 600V.
- B. THE SECONDARY RACKS SHALL BE HEAVY DUTY, HOT DIPPED GALVANIZED STEEL WITH 3" SPOOL INSULATORS. PORCELAIN PRODUCTS #3928 OR APPROVED EQUAL.
- C. THE SECONDARY RACK 9" EXTENSION BRACKET SHALL BE HEAVY DUTY, HOT DIPPED GALVANIZED STEEL MCLEAN #J2357, OR APPROVED EQUAL.
- D. THE SPLICES SHALL BE ALUMINUM, COMPRESSION TYPE, EQUAL TO HUBBELL / BURNDY HYLINK PRODUCTS. NO MID-SPAN SPLICING WILL BE PERMITTED. SPLICING IS ONLY PERMITTED AT CONDUCTOR DEAD-ENDS.
- E. THE TIE WIRES SHALL BE #6 ALUMINUM.
- F. THE THROUGH BOLTS, NUTS, AND WASHERS SHALL BE HOT DIPPED GALVANIZED, 5/8" DIAMETER.
- G. THE INSULATING PADS SHALL BE APPROXIMATELY 3-1/4" X 4-1/2" X 0.125" SCOTCH #2200 OR APPROVED EQUAL.

II. INSTALLATION

- A. THE OVERHEAD CIRCUIT SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONTRACT DRAWINGS AND INDICATED IN THE FIELD BY THE ENGINEER.
- B. SECONDARY RACK EXTENSION BRACKETS SHALL BE USED IN LOCATIONS SHOWN ON THE CONTRACT DRAWINGS AND INDICATED IN THE FIELD BY THE ENGINEER.
- C. THE WIRE SHALL BE STRUNG AND SAGGED IN ACCORDANCE WITH THE NATIONAL ELECTRIC SAFETY CODE AND MANUFACTURER PROVIDED SAG AND TENSION DATA CHARTS.
- D. THE OVERHEAD CIRCUIT SHALL CONSIST OF TWO, THREE OR FOUR WIRES STRUNG ON THE SECONDARY RACKS IN THE AREAS INDICATED ON THE PLANS AND SPECIFICATIONS.
- E. ALL CLEARANCES INDICATED IN THE NATIONAL ELECTRICAL SAFETY CODE SHALL BE MAINTAINED THROUGHOUT AND ANY RELOCATION OF EXISTING FACILITIES REQUIRED OR INDICATED.
- F. ALL RACKS AT DEAD-ENDS OR AT ANGLE POINTS SHALL BE INSTALLED BY BOLTING THROUGH THE POLE.
- G. PREFORMED COATED DEAD-ENDS OF THE APPROPRIATE SIZE SHALL BE USED AT CIRCUIT TERMINATIONS.
- H. ALL LINES SIDE SPLICES AND TAPS SHALL BE INSULATED WITH AN INSULATING PAD.

III. BASIS OF PAYMENT

ITEM	UNIT	DESCRIPTION
MIS-400	CIRCUIT FOOT	OVERHEAD CIRCUIT, 2 WIRE-OPEN WIRE
MIS-400	CIRCUIT FOOT	OVERHEAD CIRCUIT, 3 WIRE-OPEN WIRE
MIS-400	CIRCUIT FOOT	OVERHEAD CIRCUIT, 4 WIRE-OPEN WIRE

MIS-400	DEPARTMENT OF PUBLIC UTILITIES - DIVISION OF POWER CITY OF COLUMBUS, OHIO		
	OVERHEAD CIRCUIT, "X" WIRE- OPEN WIRE (2, 3, OR 4 WIRE)		
	DRAWN BY: SAW	DATE: 1/1/24	
	SCALE: NONE	SHEET: 1 OF 1	400